

RECEIVED

JUL 17 2002

TECH CENTER 1600/2900

PATENT  
2815-0127P



THE U.S. PATENT AND TRADEMARK OFFICE

COPY OF PAPERS  
ORIGINALLY FILED

Applicant: JENTSCH, Thomas J. Conf.: 9782  
Appl. No.: 09/492,361 Group: 1646  
Filed: January 27, 2000 Examiner: MURPHY, J.F.  
For: POTASSIUM CHANNELS AND GENES ENCODING  
THESE POTASSIUM CHANNELS

Supplemental Amendment

Assistant Commissioner for Patents  
Washington, DC 20231

July 10, 2002

Sir:

In support of the arguments submitted on June 20, 2002, in response to the Office Action issued February 22, 2002, we are now submitting a Declaration by Dr. Bo Jensen.

REMARKS

Dr. Jensen has conducted an alignment of the coding sequences of SEQ ID No: 1 and KCNQ2, which shows no significant homology determined over the entire sequence. Only four small, partial (internal) sequences contained any amount of significant homology, providing for an overall homology of less than 50% between the nucleotide sequence of the instant invention and that of the KCNQ2 channel. In addition Dr. Jensen indicates that only sequences having a homology of 80-100% will be identified using the